



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

09/873,368

06/05/2001

Takahiro Masuda

1046.1255

7432

21171

7590

05/16/2007

STAAS & HALSEY LLP

SUITE 700

1201 NEW YORK AVENUE, N.W.

WASHINGTON, DC 20005

EXAMINER

NGUYEN, CHAU T

ART UNIT

PAPER NUMBER

2176

MAIL DATE

DELIVERY MODE

05/16/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	09/873,368	MASUDA ET AL.	
	Examiner	Art Unit	
	Chau Nguyen	2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 February 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4, 7-16, 19, 20 and 23-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 7-16, 19, 20 and 23-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Amendments filed on 02/15/2007 have been entered. Claims 1-4, 7-16, 19-20 and 23-26 are pending. Claims 5-6, 17-18 and 21-22 are cancelled.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-4, 7-16, 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stark, US Patent No. 5,935,210, Slotznick, US Patent No. 6,011,537 and further in view of Becker et al. (Becker), US Patent No. 6,834,372.

4. As to claims 1, 15 and 19, Stark discloses a network browser comprising:
an analysis module of analyzing a display control file of managing a display screen to extract another file described or created by a script or a program in a source file (col. 4, line 25 – col. 6, line 63 and col. 10, lines 55-63: a resource mapping tool 100 or resource mapper (an analysis module) is used to create and manage resource map

(another file) which provides a graphical of hyperlink structure of the site 40 (display control file), the resource map (another file) is formed by a data structure having URL table and many objects containing data and hyperlink structure extracted from the resources in the site 40 (display control file), and the resource mapper may be implemented as a computer-executable program (script or program));

a storing module of specifying said another file to temporality store a URL created by said script or said program (Abstract, and col. 1, lines 47-56: a first one of the resources is retrieved from the site, and information about embedded hyperlinks to other resources in the site is extracted from the first resource and the information about embedded hyperlinks is stored in a self-contained map of the site in a persistent data store);

a downloading module of downloading from a server said another file using said URL according to a predetermined condition (col. 5, line 66 – col. 6, line 22: the user of a computer to communicate with the mapping tool 10 by sending the user parameters to request for a collection of resources or site (e.g., the URL of the site's home page) and col. 7, line 66 – col. 8, line 27: the root resource is retrieved in full from the server maintaining the resource);

a first loading module analyzing and loading said another file designated by said URL (col. 5, line 66 – col. 6, line 22: gathering information from the resources (the URL of the web page) and presenting that information to the user).

However, Stark does not explicitly disclose said another file designated by said URL which has been downloaded onto an invisible screen; and a display module of

executing or displaying said another file loaded into the invisible screen without downloading said another file when said another file in the display control file is designated on the display screen.

Slotznick discloses a system displaying information at a display of a local user computer, the information includes primary information (web page) representing information requested by a user and secondary information (links to the web page) representing additional information (col. 4, line 38 – col. 5, line 2). Slotznick also discloses displaying the primary information as a virtual page while the secondary data is downloaded and held in memory without being displayed (downloaded onto an invisible screen) (col. 9, line 22 – col. 10, line 5) and the secondary information is hidden until triggered (col. 11, lines 6-24).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Slotznick and Stark to include said another file designated by said URL which has been downloaded onto an invisible screen; and a display module of executing or displaying said another file loaded into the invisible screen without downloading said another file when said another file in the display control file is designated on the display screen. Slotznick suggests that downloading secondary information (another file or links) onto a cache memory without being displayed so when the secondary information is triggered, displaying the secondary information occurs almost instantaneously.

However Stark and Slotznick do not explicitly disclose monitoring if no operation on the display has been performed during a certain period and/or a coordinate

Art Unit: 2176

designated has stayed within a certain area of said display screen during a certain period of time.

Becker discloses the computer determines whether it is receiving certain user input such as placement of a cursor over a hyperlink for a certain time (Abstract).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Becker with Stark and Slotznick to include monitoring a cursor over a web site hyperlink for a certain time for the purpose of presenting information representing various characteristics from past visits to the hyperlinked web site.

5. As to claims 2, 16 and 20, Stark, Slotznick and Becker (Stark-Slotznick-Becker) disclose wherein said analysis module includes a second loading module of loading another module when said another file requires said another module of execution or display of said another file (Stark, col. 4, line 25 – col. 6, line 44 and col. 7, line 66 – col. 8, line 47: the spider module (the second loading module) receives the URL of the resource and creates a URL table to add the URL for the resource).

6. As to claim 3, Stark-Slotznick-Becker disclose wherein said analysis module has:
a work list in which work file names are stacked (Stark, Fig. 5 and col. 6, line 45 – col. 7, line 17);

an analysis target list in which names of files which need analysis are stacked (Stark, Fig. 5 and col. 6, line 45 – col. 7, line 65); and

a non-analysis-target list in which names of files which need no analysis are stacked (Stark, Fig. 5 and col. 6, line 45 – col. 7, line 65),

wherein when a file name read out from the work list does not coincide with any of the file names stacked in the non-analysis-target list, it is stacked in the analysis target list, and the file names stacked in the analysis target list are successively read out to execute accessing a server on the basis of the file names read out (Stark, Figs. 6A-6C and col. 7, line 66 – col. 8, line 47).

7. As to claim 4, Stark-Slotznick-Becker disclose wherein said analysis module accesses the server on the basis of each of the file names stacked in the analysis target list, and stacks each file name in the non-analysis-target list after the corresponding file has been downloaded (Stark, Figs. 6A-6C and col. 7, line 66 – col. 8, line 47).

8. As to claim 7, Stark-Slotznick disclose a correspondence table in which said certain area and file names indicated in said certain area and extracted from the display control file are related to each other, wherein said analysis means determines said another file to be downloaded by referring to said table (Stark, Fig. 5 and col. 6, line 45 – col. 7, line 65).

9. As to claim 8, Stark-Slotznick disclose wherein said certain area is one of the screen areas divided in the form of frames, and said correspondence table is formed by respectively relating the screen are and other files set with respective screen areas and

Art Unit: 2176

indicated on the display control file (Stark, Fig. 5 and col. 6, line 45 – col. 7, line 65; Slotznick, col. 8, line 44 – col. 9, line 21, Slotznick suggests that downloading secondary information (another file or links) onto a cache memory without being displayed so when the secondary information is triggered, displaying the secondary information occurs almost instantaneously).

10. As to claim 9, Stark-Slotznick disclose wherein said analysis module collectively downloads from the server a plurality of files placed subordinate to one higher-level directory as said other files (Stark, col. 4, line 40 – col. 5, line 27 and col. 7, line 66 – col. 8, line 27).

11. As to claim 10, Stark-Slotznick disclose wherein said other files include files placed at different subordinate hierarchical levels as well as those placed at the same hierarchical level subordinate to one higher-level directory (Stark, col. 4, line 40 – col. 5, line 27).

12. As to claim 11, Stark-Slotznick disclose wherein said analysis module has a correspondence table in which a high-level directory and files at a lower-hierarchical level are related to each other, and determines a file as another file to be downloaded by referring to the correspondence table (Stark, col. 4, line 40 – col. 5, line 27 and col. 7, line 66 – col. 8, line 27).

Art Unit: 2176

13. As to claim 12, Stark-Slotznick disclose wherein the invisible screen is updated each time the display control file of controlling the display screen is changed, and updating of the invisible screen is not performed if another file loaded before an updating change and still another file to be loaded after the display change are identical to each other (Stark, col. 14, lines 19-26).

14. As to claim 13, Stark-Slotznick disclose wherein said analysis module gives a visual notice by changing the display on the display screen when starting analysis of the display control file or downloading of another file (Stark, col. 8, lines 12-47).

15. As to claim 14, Stark-Slotznick disclose wherein the change in the display on the display screen comprises a visual change of coordinate designation means displayed on the display screen (Stark, col. 8, lines 12-47).

16. Claims 23-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Imai et al. (Imai), US Patent No. 6,148,334, Slotznick, US Patent No. 6,011,537, and further in view of Becker et al. (Becker), US Patent No. 6,834,372.

17. As to claims 23-24, Imai discloses a method comprising:

downloading a file described or created by a scrip or a program from a server when a resource file with which the file is linked is being browsed on a display screen, the file being downloaded using a designated URL based on a predetermined condition

and the URL created by said script or said program (col. 2, line 62 – col. 3, line 5 and col. 10, lines 22-32: a program for automatically producing the file list is stored in the file server 110, and information on all URLs that can be referred from the requested file and files that can be traced from the requested file (a resource file) by links is extracted, and transferring the file list of files related to the requested file from the file server to the file requesting client);

However, Imai does not explicitly disclose creating a screen image of the downloaded file onto an invisible screen, wherein the created screen image of the file loaded onto the invisible screen is displayed onto the display screen when the file is designated on the display screen.

Slotznick discloses a system displaying information at a display of a local user computer, the information includes primary information (web page) representing information requested by a user and secondary information (links to the web page) representing additional information (col. 4, line 38 – col. 5, line 2). Slotznick also discloses displaying the primary information as a virtual page while the secondary data is downloaded and held in memory without being displayed (downloaded onto an invisible screen) (col. 9, line 22 – col. 10, line 5) and the secondary information is hidden until triggered (col. 11, lines 6-24).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Slotznick and Imai to include creating a screen image of the downloaded file onto an invisible screen, wherein the created screen image of the file loaded onto the invisible screen is displayed onto the display

Art Unit: 2176

screen when the file is designated on the display screen. Slotznick suggests that downloading secondary information (another file or links) onto a cache memory without being displayed so when the secondary information is triggered, displaying the secondary information occurs almost instantaneously.

However Imai and Slotznick do not explicitly disclose monitoring if no operation on the display has been performed during a certain period and/or a coordinate designated has stayed within a certain area of said display screen during a certain period of time.

Becker discloses the computer determines whether it is receiving certain user input such as placement of a cursor over a hyperlink for a certain time (Abstract).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Becker with Imai and Slotznick to include monitoring a cursor over a web site hyperlink for a certain time for the purpose of presenting information representing various characteristics from past visits to the hyperlinked web site.

18. As to claim 25, Imai discloses a method of acquiring a URL for displaying via a network browser, comprising:

analyzing a source page content of a web page including a file described by a script or a program while the web page is being browsed and extracting a URL based on said analyzing (col. 16, lines 162 and Fig. 18: showing an HTML resource page

menu 2100 including an applet program and concatenated file including URL of each file which are extracted from the concatenated file); and

However, Imai does not explicitly disclose temporarily loading the file using the URL in an invisible screen and subsequently loading the URL by retrieving the URL from the invisible screen and displaying contents of the URL onto a display screen when the URL is designated.

Slotznick discloses a system displaying information at a display of a local user computer, the information includes primary information (web page) representing information requested by a user and secondary information (links to the web page) representing additional information (col. 4, line 38 – col. 5, line 2). Slotznick also discloses displaying the primary information as a virtual page while the secondary data is downloaded and held in memory without being displayed (downloaded onto an invisible screen) (col. 9, line 22 – col. 10, line 5) and the secondary information is hidden until triggered (col. 11, lines 6-24).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Slotznick and Imai to include creating a screen image of the downloaded file onto an invisible screen, wherein the created screen image of the file loaded onto the invisible screen is displayed onto the display screen when the file is designated on the display screen. Slotznick suggests that downloading secondary information (another file or links) onto a cache memory without being displayed so when the secondary information is triggered, displaying the secondary information occurs almost instantaneously.

However Imai and Slotznick do not explicitly disclose monitoring if no operation on the display has been performed during a certain period and/or a coordinate designated has stayed within a certain area of said display screen during a certain period of time.

Becker discloses the computer determines whether it is receiving certain user input such as placement of a cursor over a hyperlink for a certain time (Abstract).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Becker with Imai and Slotznick to include monitoring a cursor over a web site hyperlink for a certain time for the purpose of presenting information representing various characteristics from past visits to the hyperlinked web site.

19. Claim 26 is rejected under 35 U.S.C. 103(a) as being unpatentable over Stark, US Patent No. 5,935,210 and further in view of Slotznick, US Patent No. 6,011,537.

20. As to claim 26, Stark disclose a method of displaying page content using a network browser, comprising:

downloading a second file using a designated URL upon determining a link to the second file contained in a first file displayed meets a predefined condition (col. 1, line 57 – col. 2, line 10: when a resource file (first file) is accessed (predefined condition), extracting from the accessed resource information about hyperlinks from the accessed resource to other resources in the site and extracting information hyperlinks may include

extracting from the first resource embedded URLs specifying the locations of the other resources); and

display the downloaded second file via the network browser responsive to a request by a user to display a second file (col. 3, lines 18-64: the user selects the particular resource by selecting meta-data corresponding to the particular resource, and the resource is retrieved for the user).

However, Stark does not explicitly disclose downloading the second file onto an invisible screen.

Slotznick discloses a system displaying information at a display of a local user computer, the information includes primary information (web page) representing information requested by a user and secondary information (links to the web page) representing additional information (col. 4, line 38 – col. 5, line 2). Slotznick also discloses displaying the primary information as a virtual page while the secondary data is downloaded and held in memory without being displayed (downloaded onto an invisible screen) (col. 9, line 22 – col. 10, line 5) and the secondary information is hidden until triggered (col. 11, lines 6-24).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Slotznick and Stark to include downloading the second file onto an invisible screen. Slotznick suggests that downloading secondary information (another file or links) onto a cache memory without being displayed so when the secondary information is triggered, displaying the secondary information occurs almost instantaneously.

Response to Arguments

In the remarks, Applicant(s) argued in substance that

A) The cited reference do not teach or suggest "loading a file using the URL in an invisible screen when an operation has not been performed during a period of time".

In reply to argument A, Slotznick discloses a system displaying information at a display of a local user computer, the information includes primary information (web page) representing information requested by a user and secondary information (links to the web page) representing additional information (col. 4, line 38 – col. 5, line 2). Slotznick also discloses displaying the primary information as a virtual page while the secondary data is downloaded and held in memory without being displayed (downloaded onto an invisible screen) (col. 9, line 22 – col. 10, line 5) and the secondary information is hidden until triggered (col. 11, lines 6-24).

However, Slotznick does not explicitly disclose monitoring if no operation on the display has been performed during a certain period and/or a coordinate designated has stayed within a certain area of said display screen during a certain period of time.

Becker discloses the computer determines whether it is receiving certain user input such as placement of a cursor over a hyperlink for a certain time (Abstract).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Becker with Imai and Slotznick to include monitoring a cursor over a web site hyperlink for a certain time for the purpose

Art Unit: 2176

of presenting information representing various characteristics from past visits to the hyperlinked web site.

B) The cited references, alone or in combination, do not teach or suggest pre-loading of a file including "at the time of said analysis, if said another file requires another module to execute or display said another file, said another module is loaded".

In reply to argument B, Stark discloses in col. 7, line 66 – col. 8, line 11: the spider module (second loading module) receives the URL of the resource to create a URL table and add the URL to the root resource.

21. Applicant's arguments and amendments filed on 02/15/2007 have been fully considered but they are not deemed fully persuasive. Please see the rejection and response to arguments above.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chau Nguyen whose telephone number is (571) 272-4092. The examiner can normally be reached on 8:30 am – 5:30 pm Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon, can be reached on (571) 272-4136. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. On July 15, 2005, the Central Facsimile (FAX) Number will change from 703-872-9306 to 571-273-8300.

Art Unit: 2176

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chau Nguyen
Patent Examiner
Art Unit 2176

A handwritten signature in black ink, appearing to read 'Doug Hutton', with a stylized flourish at the end.

Doug Hutton
Primary Examiner
Technology Center 2100